20001126.qrp v02_n018.qrl.20001126

Date: Sun, 26 Nov 2000 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2018

QRP-L Digest 2018

Topics covered in this issue include:

  1) [84725] K2 vs. the FT-817
     by "Bill Johnson" <b1ljohn@msn.com>
  2) [84726] Re: hf op in mexico
     by Phil Wheeler <w7ox@earthlink.net>
  3) [84727] Re: Near midpoint CQWW
     by Phil Wheeler <w7ox@earthlink.net>
  4) [84728] Contest on 40M
     by "Mark Fancher" <mmfancher@earthlink.net>
  5) [84729] Re: Contest on 40M
     by Rick Sealey <rsealey@infoave.net>
  6) [84730] Worked 9G5AA on 1st call...
     by WB9MII@aol.com
  7) [84731] OT: QRP and Brazil
     by GElam30092@aol.com
  8) [84732] PSK31 on surplus laptops
     by PDouglas12@aol.com
  9) [84733] Re: P-Tick Power
     by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
 10) [84734] Re: MAJOR SOLAR EVENTS!!!
     by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
 11) [84735] Re: Contest on 40M
     by Slqghp@aol.com
 12) [84736] ANTENNA QUESTION
     by K4YBB@aol.com
 13) [84737] Re: CQWWDX Egg on Face
     by Dave Fifield <fifield@pacbell.net>
 14) [84738] Re: ANTENNA QUESTION
     by "John Moriarity" <k6qq@hdo.net>
 15) [84739] Re: CQWWDX Egg on Face
     by Larry S Cahoon <wd3p@juno.com>
 16) [84740] Re: Source for foam sheets (QRP related)
     by Randy & Cara Randall <crrandal@seidata.com>
 17) [84741] Re: FOX HUNT - SPECIAL REQUEST - bit long
     by Radioham <radioham@home.com>
 18) [84742] Re: FOX HUNT - SPECIAL REQUEST - bit long
     by "Gordon Couger" <gcouger@couger.com>
 19) [84743] Fox - W0MC Cub Fox Works Mobile Hound in Cuba

by "David Bixler" <qrp@netins.net>
20) [84744] Inrad Group buy for KNWD TS-570
by "Rod Cerkoney" <n0rc@hotmail.com>
21) [84745] Re: FOX HUNT - SPECIAL REQUEST - bit long
by "K7FD K7Low" <cqdx@teleport.com>
22) [84746] Re: CQWWDX Egg on Face
by "Donny Sirait" <dsirait@centrin.net.id>
23) [84747] FS: TenTec Scout Station
by "Jeff Davis" <n9avg@indy.net>
24) [84748] CQWWDX lesson learned
by "Karl F. Larsen" <k5di@zianet.com>
25) [84749] FS: Unbuilt NorCal 20 kit
by "Mike Czuhajewski" <wa8mcq@erols.com>
26) [84750] Outstanding article on SWR/power meter
by "Mike Czuhajewski" <wa8mcq@erols.com>
27) [84751] FOX HUNT - SPECIAL ETC...
by hamjoel@juno.com
28) [84752] Re: CQWWDX Egg on Face
by K2FN@aol.com
29) [84753] Hellooooooo Radio . . . Hellooo-ooo-ooo?
by Nils B Young <rantinen@juno.com>
30) [84754] AC hum, power supply stuff & the usual questions
by Nils B Young <rantinen@juno.com>
31) [84755] CQWWDX Band's Dead!
by "Karl F. Larsen" <k5di@zianet.com>
32) [84756] [HELP] Need info on E.F. Johnson 200-105 Coil
by "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
33) [84757] Re: hf op in mexico
by NB6M@aol.com
34) [84758] Re: CQWWDX Egg on Face
by "Victor Blackwell" <victor@brecnet.com>
35) [84759] Re: CQWWDX Band's Dead!
by Jeff Stai WK6I <jstai@home.com>
36) [84760] Re: Hellooooooo Radio . . . Hellooo-ooo-ooo?
by "K7FD K7Low" <cqdx@teleport.com>
37) [84761] CQWWDX Computers
by "Karl F. Larsen" <k5di@zianet.com>
38) [84762] Re: [HELP] Need info on E.F. Johnson 200-105 Coil
by Phil Wheeler <w7ox@earthlink.net>
39) [84763] Re: hf op in mexico
by NB6M@aol.com
40) [84764] Re: CQWWDX Egg on Face
by Phil Wheeler <w7ox@earthlink.net>
41) [84765] Re: CQWWDX Egg on Face
by baltimoremd@baltimoremd.com
42) [84766] K-1 problems, problems!
by Robert McAtee <w5tnj@camalott.com>
43) [84767] Re: hf op in mexico-Further Info

    by NB6M@aol.com
44) [84768] Temporary license in Philippines
    by "Nico Vertriest" <nvcw@village.uunet.be>
45) [84769] Re: [HELP] Need info on E.F. Johnson 200-105 Coil
    by Phil Wheeler <w7ox@earthlink.net>
46) [84770] VP5 on QRP
    by BruceAA5B@aol.com
47) [84771] Re: Contest on 40M
    by w4bws@juno.com
48) [84772] Re: CQWWDX Egg on Face
    by Bruce Muscolino <w6toy@erols.com>
49) [84773] Re: CQWWDX Egg on Face
    by W8LX@arrl.net
50) [84774] Re: CQWWDX Computers
    by hamjoel@juno.com
51) [84775] Contest
    by "Steven Weber" <kd1jv@moose.ncia.net>
52) [84776] laptops and psk31
    by neil tanner <ntan@crosslink.net>
53) [84777] Re: Contest
    by "James Parsons" <res075cz@gte.net>
54) [84778] Archron clock
    by K2UD@aol.com
55) [84779] EZNEC 3.0
    by "Dennis Johnson" <djohn@dwx.com>
56) [84780] F/S: Stuff
    by wa4dou@excite.com
57) [84781] Unknown chip - help?
    by "John Nall" <nally@talstar.com>
58) [84782] FIX : K1 power output and linearity (long)
    by "Michael Melland" <badger@vbe.com>
59) [84783] Re: Unknown chip - help?
    by "George, W5YR" <w5yr@att.net>
60) [84784] Solar Activity, WOW!
    by "Rod Cerkoney" <n0rc@hotmail.com>
61) [84785] Re: Unknown chip - help?
    by "Mike Yetsko" <myetsko@insydesw.com>
62) [84786] Re: Contest
    by "John Moriarity" <k6qq@hdo.net>
63) [84787] Wanted Laptop for qrp
    by n2go@arrl.net
64) [84788] Re: Contest
    by baltimoremd@baltimoremd.com
65) [84789] Re: Unknown chip - help?
    by "John J. McDonough" <wb8rcr@arrl.net>
66) [84790] Re: Unknown chip - help?
    by Lew Paceley <lew@paceley.com>
67) [84791] Re: Unknown chip - help?

    by "Mike Yetsko" <myetsko@insydesw.com>
 68) [84792] Re: EZNEC 3.0
    by Phil Wheeler <w7ox@earthlink.net>
 69) [84793] Re: Contest
    by "James Parsons" <res075cz@gte.net>
 70) [84794] K2/K1 Radio Rallye & Rendezvous
    by "Rod Cerkoney" <n0rc@hotmail.com>
 71) [84795] Re: EZNEC 3.0
    by "John Moriarity" <k6qq@hdo.net>
 72) [84796] K1 #017 & the CQ WW CW Test
    by Richard Arland <rarland@earthlink.net>
 73) [84797] Contesting: CQWW
    by Lee Hopper <leehop@uswest.net>
 74) [84798] USING RELAYS FOR BAND SW
    by "DONALD G. DORN" <DDORN@CWIS.NET>
 75) [84799] CQWWDX It's over
    by "Karl F. Larsen" <k5di@zianet.com>
 76) [84800] More Solar Activity/Aurora Alert
    by "Paul Harden, NA5N" <na5n@rt66.com>
 77) [84801] FS : HW-7 & HWA7-1
    by K5BDZ@aol.com

Date: Sat, 25 Nov 2000 18:07:45 -0600
From: "Bill Johnson" <b1ljohn@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84725] K2 vs. the FT-817
Message-ID: <LPBBIJFJHHMCDNHIEMMCKELIDIAA.b1ljohn@msn.com>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am fortunate to now own both. I haven't used the 817 on SSB or CW so far.
I will soon.

I bought it to be an all band, all mode portable travel radio which was
capable of fitting into a brief case. I will take along either a 20 or 30
meter antenna. It is truly too small, complicated and cramped to be a good
substitute for a good desktop operation XCVR. It does not compare to the
K-2's simple features and does not either substitute or provide the same
operating ease of use, flexibility to modify and/or repair/upgrade. The
noise blanker doesn't get rid of my fireplace fan motor noise like the K-2
does. Then I shouldn't be hearing that sort of noise while hiking or siting
outdoors somewhere. Of, course it sure would be nice if it did while at
home!

My first impression from my limited use: the 817 is an excellent portable rig, outperforming an HT and having many more features. It requires a tuned antenna for HF but does operate from internal batteries. I wanted it primarily to get on 6, 2 and 440 all-mode when traveling. It is a fabulous replacement for the FT _90 series radios which I was seriously looking into acquiring but couldn't decide which band to get. This radio solves all that but sure has drained the wallet compared to picking up one of the other radios used.

When I owned an FT 290, I thought it would be the last radio I would ever buy. The FT 817 is very superior in my humble opinion and may be the last portable I really do ever buy, from what I have experienced at this point. Oh, did I mention I didn't have any of the usual 2 mtr intermod on my drive back from Radio City from where I purchased it? (It doesn't have continuous receive coverage which may be the reason for the lack of intermod, its not broadbanded.) I was able to get it working without the manual for the drive home, something the manual recommends against. It does take a lot of reading and practice to operate, so be prepared if you decide to buy one. Most of the features are simple to use now that I have played with it a bit. But if you have experience with a VX5-R, just imagine twice the settings.

I took a big rig risk buying this radio rather than wait for others to try it first, but I have had good results working with the Yaesu people over the past several years, including a replacement of a faulty output circuit in a radio which ran out of warranty by a couple of weeks. I took the risk based on my positive experience. So far I am not disappointed.

This one has a lot of neat features, so if you have the $'s and are a gadget freak this one will be a lot of fun. Technically, we have yet to give it a full shake down. Did I mention the IF shift works well? I tried it out while listening to signals on 75 meters at night with a short whip antenna and was impressed. Sure are a lot of radio features in such a small package.

72,

Bill
K9YEQ
b1ljohn@msn.com
MNQRP Club
K-2 (FT #35), FT 817, Rainbow Tuner, Norcal Paddle

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Mike Yetsko

Sent: Thursday, November 23, 2000 9:46 AM
To: Low Power Amateur Radio Discussion
Subject: K2 vs the FT-817

Well, now that the fuss about the new Yaesu has died down, I decided to see just what the radio was all about.

No, I haven't actually got to play with one yet, but to give it the benefit of the doubt, I will assume it is all it's supposed to be.

Now, is it competition to the K2?

(And before I go further, I'm not even going to consider AT ALL the fact of 'constructing' the K2. In my mind, that is a BIG plus right there. I enjoy the building sometimes MORE than the operating. With that in the equation, the K2 would have no competition at all.)

Partly, but only in the sense that HTs are competition to mobile rigs in cars. The new Yaesu is a REALLY neat radio, and I want one. I covet it greatly.

But not in the sense of replacing my K2. And if I were buying today, I still think I would go K2.

I don't think the Yaesu actually aims at the K2 marketplace. The K2 has been described as a 'backpacker' radio. Maybe so, but only in one sense. Is the Yaesu a 'backpacker' type radio? I think so, and there it overlaps with the K2 in the perceived marketplace.

But personally, I feel the new Yaesu is more of a 'hiker' type radio, where the K2 is more of a 'camper' type radio. In that sense, the Yaesu definitely makes more sense for use 'on the move' on a trail. However, I really wonder what kind of true functionality you would get from HF while on the move. Unless of course you were in the high plains and hiked with a kite over your shoulder. (Hmm, now THAT'S and IDEA!!)

Having the VHF and up is nice too, but then you would tend to carry just one radio, and while actually on the move you'd have to have a BIG radio out and usable instead of a tiny HT, that is, IF FM communications were important to you.

But if you hike in, and have to go through any kind of setup for the antenna, the K2 set up in your tent, well, I just don't see the Yaesu being competitive in that regard at all. At least not 'against' a K2.

Overall, I really like the new Yaesu, and I covet one enough to consider starting to save to supplement my K2. But, there's just no way right now I'd consider it in place of my K2.

So I guess the real issue is to define what and how you would use either of these radios in a hike/camp type routine. The key issue will be your needs while 'on the move'. Or, at 'quick breaks'. In my mind, that is the dividing factor.

If you bring in other aspects of the K2 however, then it becomes a real winner just from the considerations that it IS a kit. If you don't like to build, someone else could do it for you. And the K2, while not really 'designed' to be modular, CAN be 'built in'. Like the HAM that separated the core from the front panel and put the main board under the crotch bar on his bicycle, and the display up on the handlebars. You could really 'design in' the K2 into a lot of surprising places...

Mike

Date: Sat, 25 Nov 2000 16:13:14 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: rblutman@hotmail.com, QRP List <qrp-l@lehigh.edu>
Subject: [84726] Re: hf op in mexico
Message-ID: <3A20559A.31B4F133@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rand Lutman wrote:

>
> Where and how does one get permission to operate hf in Mexico, while on
> holiday in my fifth wheel? 73's Rand VE7HRA
>

Rand,

Given that you have a VE call and most of the answers are likely to be
US solutions, you may want to check with the appropriate Canadian
government office.

Phil W7OX

Date: Sat, 25 Nov 2000 16:13:39 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84727] Re: Near midpoint CQWW
Message-ID: <3A2055B3.B8A99A5B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Go, Alan!

Alan Kaul wrote:
>
> Thje propagation has been good -- but this is a tough contest for QRP! I have
> tried running on a CQ frequency several times -- and that only netted 4
> QSO's --- two in Canada, one in Korea and one in South America. The rest of the
> time it is S and P 80-10M and it sometimes requires a half-dozen calls to get
> thru. In this contest, CW high speed is a "given." I set my CW program at from
> 26-to-32 ---- and try to answer at the same speed as the other station is using.
> I have about 7-hours in the contest and am averaging about 20 QSO's per
> hour ------ very slow going, compared to previous contests where I was using 100
> W and was "running" (that is, sitting on a freq and calling CQ) and was able to
> work 20 QSO's in about 10-minutes. Upward and onward!
>
> Alan Kaul, W6RCL, LaCanada, CA
> w6rcl@amsat.org , http://home.att.net/~alan.kaul/index.html

----

Date: Sat, 25 Nov 2000 19:17:36 -0500
From: "Mark Fancher" <mmfancher@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [84728] Contest on 40M
Message-ID: <002001c0573e$484bf420$932c56d1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Jeez,

I wish those of us who don't want to participate in the contest could
operate! The whole 40M band it taken over!

It doesn't seem fair to take over a whole segment of frequency for a
contest.

Mark Fancher
mmfancher@earthlink.net

Date: Sat, 25 Nov 2000 19:56:37 -0500
From: Rick Sealey <rsealey@infoave.net>
To: qrp-l@lehigh.edu
Subject: [84729] Re: Contest on 40M
Message-ID: <4.1.20001125194329.00983df0@mail.infoave.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I dunno, Mark, it's only about an hour and a half since your post and I'm
hearing non-contest signals between 7100 and 7150 KHz, many signals on the
30 Meter band and some signals on the 17 Meter band.

The major contests are always going to take up as much bandwidth as they
can, and have been doing so for more years than can be accounted for, so
it's a good idea for us non-contesters to have an alternate plan for operating.

Rick - W4SEA
High Point, NC

At 19:17 11/25/2000 -0500, you wrote:
>Jeez,
>
>I wish those of us who don't want to participate in the contest could
>operate! The whole 40M band it taken over!
>

>It doesn't seem fair to take over a whole segment of frequency for a
>contest.
>
>Mark Fancher
>mmfancher@earthlink.net

Date: Sat, 25 Nov 2000 19:59:14 EST
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [84730] Worked 9G5AA on 1st call...
Message-ID: <a5.df9e393.2751ba62@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy Friends,
gotta pass this one on...I just worked 9G5AA on 20 M CW. 4 watts and a "compressed W3EDP" antenna wound inside my window frame. Doing quite well in the WW contest so far.
72
Greg WB9MII

Date: Sat, 25 Nov 2000 20:06:03 EST
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [84731] OT: QRP and Brazil
Message-ID: <7d.d73f308.2751bbfb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well gang, Heimo (SM6LOD) and I had a superb visit with a group of hams at a local pizzeria last Tuesday night. The magazines, especially the QRPp, were a big hit and you could tell who the builders were in the group!

It's nice to report that Heirmo also passed his Brazilian ham test and was issued PY2ZHL.. Good going Heirmo!

Small Wonder Labs and Elecraft were represented with two radios each. One gentleman, who didn't speak a lot of English, kept eyeing the K2 and jokingly picked up Heirmo's putting it under his arm as he made for the door!

All things considered, it was a great night in Sao Paulo and I'm looking forward to my next visit. The only bad part about the trip is the 10 hr. confinement in an airplane on the leg from Dallas to SP.

73,
Gerry, K7LRO
PHX AZ

Date: Sat, 25 Nov 2000 20:17:55 EST
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [84732] PSK31 on surplus laptops
Message-ID: <be.c5a01c2.2751bec3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

I have noticed a number of you are trying to struggle along with 486 computers trying valiantly to run Digipan and stuff. Look, these programs include digital signal processing that is wonderful for pulling out weak ones, but this processing takes processor time, if you see what I mean. Why are you killing yourselves pushing those old machines to do work that is at the edge of their ultraviolet zone? There are just tons of Pentium laptops (not to mention desktops) in the P90-150 range to be had for a song. They are "obsolete," but not dead.

I am partial to Toshiba 610 laptops myself. These P90s run around $125 with 40 Megs of RAM, without floppy drives and $180 with the outboard floppy drives on Ebay and elsewhere. Most legit Ebay sellers will give you a "no DOA" guarantee, but after a couple of days, you are on your own. Else, buy one for just a few more dollars from a commercial reseller with a real 30 day guarantee. These are pretty rugged machines, so if they arrive working, they'll keep working. (I've seen quite a few now, and though they fail infrequently, the weak point is the screen, which fails in a "white screen" mode--nasty to fix, if even possible--email me if you know more about this failure mode!) Batteries are another issue, but new ones can be had, again on Ebay or elsewhere. 'Fraid of Ebay? I was too, but look around there a week or two and you'll get the hang of it--and you can smell a stinker pretty easily. Don't bid on anything until you've been "reading the mail" for a while.

One thing, though. Most of these surplus computers come without an OS, and it requires some skill and tools to install a working copy of Windows in a laptop. For the 610, for instance, you'll need an external floppy drive, an external (PCMCIA) CD drive, a modern version of DOS, DOS drivers for your

CD, and a proper (legit!) copy of Windows 9X. With these, you should be able to push windows onto the hard drive of one of these surplus computers. I admit, it was long in learning, and if you don't have any computer skills, you might consider buying one with Windows installed, but that will probably cost you some.

But the results, with some luck, should be a very inexpensive system that will allow you to operate PSK31, SSTV, RTTY etc., etc. in the field and on the road. And if you lose the computer, or someone swipes it, you aren't out $2000 for a fancy Sony Vaio. Perfect for QRP with a Warbler or PSK20, right? I plan to demo a T610 and my SWL PSK20 next month at the LIQRP meeting.

OK, back to building my Warbler.

72,

Preston WJ2V

Date: Sat, 25 Nov 2000 22:12:21 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: Doug.Davies@gems3.gov.bc.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84733] Re: P-Tick Power
Message-ID: <3A207F93.1B94A81@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The short answer is that it will work just fine.

The long answer is that the IC acts as a fancy voltage divider.
Whatever input voltage you have above the output voltage (5V for a 7805) will be dissipated in the IC as heat. The higher the input voltage, the more heat to be dissipated and the warmer the IC runs. You were gonna put a heat sink on the IC, right? Oh well, 7805's are cheap.

Henry

Date: Sat, 25 Nov 2000 22:31:28 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: na5n@rt66.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84734] Re: MAJOR SOLAR EVENTS!!!
Message-ID: <3A20840F.533BBAA1@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Harden, NA5N wrote:

> Gang,
> The sun has been EXTREMELY ACTIVE over the past day.

Today was Astronomy day in Tallahassee. We had a C-8 w/solar filter set up at the science museum downtown. Unfortunately, we suffered from a bit of severe OVC and didn't get to do much observing. Leonids also got clouded out this year.

Science museum is across the street from the Supreme Court. The jr op and I took a stroll around when things got slow at the museum. Saw live feeds for CNN and MSNBC. It was amazin' Still about 20 satellite trucks permanently parked within a block of the building. The sidewalk was covered with duct tape. Each network had their own territory taped off with marks for the talking heads clearly labeled. In addition to the domestic networks, we found marks belonging to NHK and the BBC. Wonder if you could earn DXCC this way?

Henry

Date: Sat, 25 Nov 2000 22:02:38 EST
From: Slqghp@aol.com
To: mmfancher@earthlink.net, qrp-l@lehigh.edu
Subject: [84735] Re: Contest on 40M
Message-ID: <c5.b6a8e38.2751d74e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 11/25/00 7:20:20 PM Eastern Standard Time,
mmfancher@earthlink.net writes:

<< It doesn't seem fair to take over a whole segment of frequency for a
 contest. >>
unfortunately, not fair doesn't count!

I just finished a 30 meter receiver this morning, there was a lot of rag chewing going on. It seems to be a fine band for day operations. I'm looking forward to my first 30 meter QSO shortly.

Harry Hurst
Hap, WA3PTG
Wilmington DE

Date: Sat, 25 Nov 2000 22:19:55 EST
From: K4YBB@aol.com
To: qrp-l@lehigh.edu
Cc: K4YBB@aol.com
Subject: [84736] ANTENNA QUESTION
Message-ID: <90.c8b21e0.2751db5b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

QRP Group:

I have an antenna question. As I understand dipoles, the straight dipole impedance is 75 ohms at center, if you make a "V" out of the dipole and the feed point angle is 90 degrees the impedance is 50 ohms whether the "V" is open side up or down, Now my question, What would happen if you put two dipoles in the "V" configuration and cut them for the same frequency and placed them in a "X" configuration and feed them with one coax, and had the wires (legs, sides) parallel to the ground at aprox 25 to 30 feet height? What would be the feed point impedance?
My only reference book is an old early 60's handbook and I don't really find a good answer in this book, any ideas, help, appreciated.

Tnx & 72 / 73 Jim K4YBB

Date: Sat, 25 Nov 2000 19:06:34 -0800
From: Dave Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84737] Re: CQWWDX Egg on Face
Message-ID: <004b01c05755$e334d120$0600a8c0@earthlink.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

IMO they sound a lot faster than they actually are.
I have been matching speed with them using CT on
my computer to do the exchange. I rarely find anyone
faster than 32 or 34 wpm. Certainly I haven't found any
as fast as 40 wpm.

If you keep at it, you'll find that you need fewer
go-rounds to get all their information. It takes me a
couple of hours into the contest before I can tune a
station in, get the call down first time and call them
straight away.

72, Dave Fifield, AD6A

Date: Sat, 25 Nov 2000 20:25:23 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <K4YBB@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84738] Re: ANTENNA QUESTION
Message-ID: <000d01c05760$e5bb2ce0$e3414cd1@johnmori>

> I have an antenna question.

Go to www.eznec.com . The free demo program will run
a problem this size, and give you your answer.

72,

John, K6QQ

Date: Sun, 26 Nov 2000 04:28:24 +0000
From: Larry S Cahoon <wd3p@juno.com>
To: fifield@pacbell.net, qrp-l@Lehigh.EDU
Subject: [84739] Re: CQWWDX Egg on Face
Message-ID: <20001126.042826.-394427.1.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Sat, 25 Nov 2000 19:06:34 -0800 Dave Fifield <fifield@pacbell.net>
writes:
> IMO they sound a lot faster than they actually are.
> I have been matching speed with them using CT on
> my computer to do the exchange. I rarely find anyone
> faster than 32 or 34 wpm. Certainly I haven't found any
> as fast as 40 wpm.

I have to agree with Dave - most are in the 30-34 range. I usually keep mine in the 25 - 30 range but don't have any real problem with the faster ones in this contest. I do usually find a handfull running 40 wpm. For that group I love to match their speed to see how well they can copy. About 10% don't pass. I tell guys don't worry so much about holding a frequency in a contest when they tell me they don't becasue of the speed. Most search and pounce guys are going slower and when you have the frequency you can ask for all the repeats you want.

What I don't like is the guys who don't ID for 10-12 QSOs. I hate sitting there in search pounce mode not knowing if I've worked them before because they don't ID each QSO. I know it adds to their speed but..... My solution is if I don't hear the ID in two QSOs I go after them. They can tell me I'm I dup, but in that case I've wasted a bit of their time instead of letting them waste lots of my time. And if I'm not a dup, I always ask for their call before I send my info. I don't intend to sit around for another half dozen QSOs and wait for them to ID.

73 de Larry.....WD3P in MD
http://www.qsl.net/wd3p

_____
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http://dl.www.juno.com/get/tagj.

Date: Sat, 25 Nov 2000 23:55:15 -0500
From: Randy & Cara Randall <crrandal@seidata.com>
To: victor@brecnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84740] Re: Source for foam sheets (QRP related)
Message-ID: <3A2097B3.AA27CBA7@seidata.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One reason is that gun cases can be had readily and cheaply!

Randy.

Victor Blackwell wrote:

> Any reason a gun case? If not really that important, try a decent camera
> shop. If that fails, try an upholstery shop.
>
> Vic AD8K

--
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Touches Newsletter:
http://www.egroups.com/subscribe/countrytouches

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Country Touches
http://www.countrytouches.com

Join Holiday Happenings, for craft ideas, recipes, sharing traditions!
http://www.egroups.com/subscribe/holidayhappenings
****

"Christmas, is for children...but aren't we all children Christmas Day?"
--Glen Campbell

Date: Sun, 26 Nov 2000 00:29:48 -0500
From: Radioham <radioham@home.com>
To: hamjoel@juno.com, qrp-l@lehigh.edu
Subject: [84741] Re: FOX HUNT - SPECIAL REQUEST - bit long
Message-ID: <5.0.0.25.0.20001126002234.009e3310@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Joel-

#1 - Far too complicated

#2 - Propagation moves around and it's very possible someone, or many
someones, will be left out when their time slot comes up.

#3 - Far too complicated

#4 - If you can do high speed, but can't get the fox in your half hour, then you can try at slower speeds. Those who are slower can't do that.

#5 - Far too complicated.

#6 - If it ain't broke, don't fix it - and it ain't broke.

#7 - Far too complicated.

This is a hunt - you take your chances and sometimes you get lucky. That's why the Cub Fox was created - to help the slower speed ops - and it works well. I don't even waste my time in contests like the one on now. These folks are using machine generated code - what's the point? If I am going to use a keyboard, I may as well do PSK 31 (which is fun in its own right).

72/73,

Steve, N4EUK
Reston, VA

Date: Sat, 25 Nov 2000 23:33:56 -0600
From: "Gordon Couger" <gcouger@couger.com>
To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84742] Re: FOX HUNT - SPECIAL REQUEST - bit long
Message-ID: <04d101c0576a$796fe4e0$8e2cccd0@home.xxx>

----- Original Message -----
From: <hamjoel@juno.com>

> High Y'all
> I ban thinking... which ant all bad...
> could one of the fox divide up the hunt into three parts... 30+ wpm the
> first hour... all the rest of us do other things...
> the first half of the second hour 20wpm to 30wpm only... the 30+'s and
> under twenties do utter things... and the last half hour us folk what
can
> do 20wpm and less... have a shot at the fox....

The fox should just respond to the caller at the speed the caller sends and the caller should make sure he sends slow enough he can copy wihtout out fills. Everybody gets a fair chance at the propogation and fox can run the ones he hears. You will work the most buy making the best of the

propgating not seting up some speed rotation.

Gordon
Gordon Couger gcouger@couger.com
Stillwater, OK www.couger.com/gcouger
405 624-2855   GMT -6:00

Date: Sun, 26 Nov 2000 00:37:35 -0600
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84743] Fox - W0MC Cub Fox Works Mobile Hound in Cuba
Message-ID: <IJEEJMKECFBFMJOPDBJNOENGCAAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang:

No, not a CO2 in Havana. Just little ol' me struggling
to get a fox tail to hang from the mobile antenna.

I was out of town Friday night on the road with my wife
and we stopped in Cuba, Missouri for the night.
Miserable night, it was pouring down rain. Got to the
motel 15 minutes before fox time.

Stuck the ham stick antenna with magnet mount on roof
of wife's little car. Turned on the K2, hit the key
and immediately blew the in-line fuse in the power cable.
Was a half-amp fuse. Must have grabbed the power cable
for the 40A. Not a spare fuse in the car. Grabbed a
clip lead and bypassed the fuse.

I can hear Jerry, almost. Signal right down in the
noise. Gave him a call, K2 keying going bananas, then
high current message. Must be bad SWR. Remember that
ham stick resonated for 7040, not 7143. Gotta get
that auto-tuner for the K2 someday......

Ok, back out in the rain. Run a 33 foot wire radial
from magnet mount, toss on ground.   Still weird keying.
SWR must still be bad.

Back out in the rain, grab St. Louis mobile antenna
(that's a 20 foot Black Widow pole with 3/8 inch mobile
threads on the bottom). Stick that on roof magnet mount.
People in parking lot looking at me kinda funny.

Back in car, wet all over. Test keying again.
Much better except for hands shaky from cold.
Hear Jerry better now, can copy him 449 on peaks.
He fades back into the noise.

He calls CQ, I answer. I get a QRZ. Call again. QRZ.
Call again, longer this time. Bingo, Jerry hears me. I
send my info. He has me repeat. Send again. Jerry
asks for name and power. Send that again. Jerry asks
for my call again. Send that again. Finally, get a QSL.

Boy, what a struggle. Hardest pelt I've nabbed in a
long time.

Jerry, thanks for hanging in there with me. Gee, isn't
QRP fun.....

Dave

David Bixler   W0CH - VK2IQX
Seneca, Missouri
http://www.qsl.net/w0ch/ mailto:w0ch@arrl.net

QRP: Little Radios, Big Fun!

Date: Sat, 25 Nov 2000 23:52:47 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>
Subject: [84744] Inrad Group buy for KNWD TS-570
Message-ID: <OE21Pr5jj9HR26xENJj00002e27@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;   charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

I'm organizing a group buy for some Kenwood TS-570 filters from Inrad.

>From their web page:

When you buy three or more filters FOR THE
SAME RADIO MODEL, you get a discount:

- For any three or four filters, deduct 5%
  from the price of the filters.

- For any five or more filters, deduct 10%
  from the price of the filters.

- For ten or more filters, deduct 20% from
  the price of the filters.

To make this worthwhile I prefer to go the 10 or more category. At this level I can put a filter in your hands for $86, AK & HI might be a little extra (more postage) US orders only. The $86 includes the filter, shipping. insurance...the works. DX stations are welcome IF THEY PAY ACTUAL POSTAGE AND YOU MUST ADD INSURANCE.

So checkout the filters at: http://www.qth.com/inrad/TS-570.HTM

If you want to participate send email to me with your filter selection(s), I'll collect money and shipping addresses later, if we make the 10 or more category.

This offer closes 09-Dec-2000 OR WHEN I EXCEED THE 10 FILTERS NEEDED FOR 20% DISCOUNT.

73, Rod N0RC
Ft Collins CO

Date: Sat, 25 Nov 2000 23:42:39 -0800
From: "K7FD K7Low" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84745] Re: FOX HUNT - SPECIAL REQUEST - bit long
Message-ID: <000901c0577c$74ab04a0$95231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Right on Steve...meaux power to ya!

73 John K7FD

>
> This is a hunt - you take your chances and sometimes you get lucky.
That's
> why the Cub Fox was created - to help the slower speed ops - and it works
> well. I don't even waste my time in contests like the one on now. These
> folks are using machine generated code - what's the point? If I am going
> to use a keyboard, I may as well do PSK 31 (which is fun in its own
right).
>
> 72/73,
>
> Steve, N4EUK
> Reston, VA
>

Date: Sun, 26 Nov 2000 19:20:59 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84746] Re: CQWWDX Egg on Face
Message-ID: <008801c057a4$412d1320$eaee92ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Karl & gang,

----- Original Message -----
From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, November 25, 2000 23:13
Subject: CQWWDX Egg on Face

> their call so fast I cannot copy their call! They must be running 45 wpm
> at least and my old brain never copied that fast. I can't compete because

We do a Multi single at our club station YC1ZTC and last night there is a HS
(Thailand) station on 21 MHz and I think he is really a new bie with only 10
WPM
and I believe with a straight key and with several repeats he is able to get
our

call (at the same speed) so no worries about speed we are no speed demon
either and have problems in copying a FY and a TU station.

Some nice or doubtful catch:
1SDX (Spratly or pirate?)
A51R (Buthan but he gave a wrong zone number??)
VK9AA
VR2
9A
FY5

Mainly on 15 and 10 meters (YC is not allowed on 20 meters) and although
it is not a QRP entry but we have to go QRP on 40 and 80 due to balun
problems
so very low catch on the lower bands. However we send at 20 WPM normally.

vy 72 de YB1BOD
Donny Sirait
Bekasi Indonesia

Date: Sun, 26 Nov 2000 08:08:02 -0500
From: "Jeff Davis" <n9avg@indy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [84747] FS: TenTec Scout Station
Message-ID: <006e01c057a9$e93f4060$5d5bb7d1@92xj301>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a mint condition TenTec Scout 555 with NB, modules for 80, 40, 20,
15, matching 937 PS and hand mike for sale.
50W max output but adjustable down to 5W.

Asking $550 for the entire station includes shipping CONUS.

E-mail me direct for more information

73 de Jeff, N9AVG

Date: Sun, 26 Nov 2000 06:13:34 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>

To: qrp-l@lehigh.edu
Subject: [84748] CQWWDX lesson learned
Message-ID: <Pine.LNX.4.10.10011260557240.792-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well it seems they are only sending 35 wpm, and yes I'm getting more of the message as I get used to the high speed. But the method I've developed is silly and an admission of poor cq copy, but it works.

Find a station that is loud enough to hear QRP back. Park and get ready to copy a call. With QRP-Dupe you are waiting to fill in the call and work first on the prefix. Get that and put it in, for instance jh5. Then next change focus on the last 3 characters like srt. When the whole call is in the program, call the station using your call. When he hears you send the canned message which is his call and his rst and 4 in my case. If he sends "TU" he thinks you got his call. You may have it right!

I am sending about 20 wpm to the guys and they have not complained yet. Search and Pounce is the only route for QRP. And you can relax for the first 6 hours because it's too wild. After that you can park on the dx, and get set and call at the right time. Right after the dx stands by is not always the best. I find waiting a second or two works better. If a QRO guy is calling you just wait. Hope he gets him and goes away...:-)

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 26 Nov 2000 10:58:45 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-l@lehigh.edu>
Cc: <cjappel@juno.com>, <wa8mcq@erols.com>
Subject: [84749] FS: Unbuilt NorCal 20 kit
Message-ID: <001501c057c1$c206bce0$8934fea9@l8a3h1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cliff Appel, a QRPer who is not subscribed to QRP-L, asked me to post this for him. Please contact him directly at cjappel@juno.com.

SUBJ : FS, unbuilt NORCAL-20 kit

I have for sale a completely untouched NORCAL-20 kit as rcvd from Jim Cates of NORCAL, still in original shipping box. I'd simply like to get my money back. $100.00 and I will pay shipping via U.S.P.S. to U.S.

Cliff K7CJA 1-509-633-0804 WA state.

(I'd take him up on this myself except I already have an unbuilt NorCal 20 that I bought from someone on QRP-L!)

73 and queue our pea DE WA8MCQ

Date: Sun, 26 Nov 2000 11:15:01 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-l@lehigh.edu>
Cc: <wa8mcq@erols.com>
Subject: [84750] Outstanding article on SWR/power meter
Message-ID: <002701c057c4$082dce00$8934fea9@l8a3h1>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This was announced on QRP-L a while back and I want to make sure no one misses it; this deserves all the publicity it can get. If you're interested in high performance SWR/power meters, you absolutely MUST take a look at this online article by N2PK! I went to the site hoping to maybe pick up a little tidbit to use in my Idea Exchange column in the QRP Quarterly, and I was blown away after I downloaded the PDF file! All ten pages of it. The title is "An HF In-Line Return Loss and Power Meter" and it looks like it could have come straight out of QEX! The author has done an outstanding job and if you are in the least little bit interested in the technical side of QRP, this is a must-read.

I've included a part of the original posting below which gives some details.

73 and queue our pea DE WA8MCQ

Subject: A New In-line HF Return Loss (SWR) & Power Meter
From: Paul Kiciak (pkiciak@att.net)
Date: Wed Nov 22 2000 - 07:37:29 EST

I've just put a new website together that describes a design for a return loss and power meter. Using this meter, you can measure up to 30 dB of return loss, which is equivalent to a 1.07:1 SWR, with as little as 1 milliwatt of forward power or as much as 300 watts. And it will also display forward power from 10 milliwatts to 300 watts.

If you're interested, go to:

http://home.att.net/~n2pk/

Date: Sun, 26 Nov 2000 12:06:29 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [84751] FOX HUNT - SPECIAL ETC...
Message-ID: <20001126.120631.-320749.2.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

oK guys
     so I seem to be out in left field or in anutter ball park on my suggestion... not the first time nor the last... thought it was a good idea however the last time i made a mistake i was thinking also....
     thanks for the replies and I be finished with the fox...being as i an't in tune with the rythem of things thair... too many folk done too much hard work for me to rock the fox lair... sry for any rustled feathers or fur...
just thought I had a good idea when I didn't...

ke1la joel
in maine
reading on reverse polarity diodes

_____
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http://dl.www.juno.com/get/tagj.

Date: Sun, 26 Nov 2000 12:08:30 EST
From: K2FN@aol.com
To: qrp-l@lehigh.edu

Subject: [84752] Re: CQWWDX Egg on Face
Message-ID: <9e.c7e81e0.27529d8e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have been listening to the contest for practice. I thought I was listening to some top notch operators. I guess I'm just listening to computers after all. Computers to send, computers to copy. I thought there were digital modes for Computer operation. Now I know why those QRO ops sound so talented. " They're not operating!!!" I'll never be as fast as a pentium processor. Maybe there is a software package that copies cw, auto responds and auto e-mails the log to the ARRL. No reason to loose the contest just cause your busy with honey do's!!!!! Or out of town. I guess SKN will be a thing of the past. We will have SCN. Straight computer night!!! Guess I'll just stick to the QRP contests. 72 Frank K2FN

> Karl (and list),
>
> Try some CW decoding software, like the package on the Norcal website.
> This software won't copy perfectly (not even close except for a strong
> sig sent abt 20-25 wpm), but it will give you a good hint. I've used it
> successfully since last night and made my goal of 100 QSO's in the
> 'test. I'm pretty sure I've got a decent log that is at least 99%
> accurate.
>
> The thing I've noticed about using software like this is my copy speed
> has increased considerably since last night. It's cheating, sort of, but
> it seems to have helped me over the 20wpm hump. It also helps zero beat
> the station calling CQ.
>
> Good luck! 73,
>
> John, KB1ENS
>

Date: Sun, 26 Nov 2000 16:50:47 +0000
From: Nils B Young <rantinen@juno.com>
To: QRP-L@lehigh.edu
Subject: [84753] Hellooooooo Radio . . . Hellooo-ooo-ooo?
Message-ID: <20001126.165357.-287733.0.rantinen@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Lagunak!

Oh boy! That was interesting. I'm sittin' here, about 1650Z, listening to PSK sigs on 20m, trying to see what the '2020 will do (controllable input & all that, VOGAD &c to the contrary notwithstanding &c). A couple guys were talking about deep fading & all that. Signals going south. The solar eruption or event or whatever last night or something.

Suddenly, nada!

Ain't never heard that before. At least not for a while. Even the WWDX thingie went silent on 10m. Hope them guys got their scores in before the door slammed shut.

Even the guys on 7.248 disappeared!

I remember back in '57 or '58 when I was a kid playing his first SW radio (Hallicrafters S38E, $75.57 from Custom Electronics in Dayton). One day I'm listening to Sveriges Radio when all of a sudden the band went dead. I was home in my pajamas, sick with something, stumbling around the house with a runny nose & headache, thinking that the antenna had fallen down.

You have to understand my antenna was a wire strung from my bedroom window, out to an upright piece of aluminum on the family clothes line pole, maybe 15 ft in the air maximum, across the yard to the opposite clothes line pole. A magical distance of perhaps 40 ft. And there I was listening to Sveriges Radio on 17 MHz thinking I had caught the prize . . . H r r Sveriges Radio i Stockholm . . .

And then nada. Ingenting. Zippo ziltch zero band noise ka-bloo-ie!

I actually thought (very briefly) about putting on my shoes & socks & going out into the winter wind to hang the antenna back up again. 'Cept I could see from my window that it was still there, holding up the clothes line poles.

Then I thought my radio'd died.

This time I know better, right? Right?

73

Nils
 . . . hope you got yer Qs all totalled up, you what was hopin' on a high score & all that . . . which is why, even after I programmed in an exchange & all that on the K2, I thought better of the idea and played with the WARC bands for a while . . . until the silence fell like a rock from space . . . blap!

. . . which brings up another thing: contest CW exchanges at blitzen speed . . . callsign & CQ at about 20, the exchange at 359.5 wpm. Especially them guys in zone #5 . . . 599 + brraaaap . . . why bother?

Nils R. B. Young -- El Gringo Errante -- W8IJN -- The Tagalong Press
http://www6.50megs.com/w8ijn -- http://members.fortunecity.com/nilsbull
"In MY day you had to FIGHT to have finals! Every DAY was a STRUGGLE!"
Comrade Nikolai Sergeiovich McTovarishov

_____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 26 Nov 2000 16:53:44 +0000
From: Nils B Young <rantinen@juno.com>
To: QRP-L@lehigh.edu
Subject: [84754] AC hum, power supply stuff & the usual questions
Message-ID: <20001126.165357.-287733.2.rantinen@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Lagunak!

Got a small problem question. Power supplies. Simple enough stuff. You build 'em with transformers & you get some parts & get DC out of 'em. Simple project, ne?

So I have this power supply that runs 24VDC & then part of that goes through an LM7815 to power the LDG Z-11 out in the out house shed. About 75 or 80 ft of 9-wire + shield lead out the window to the shed. That 9-wire runs DC to the LDG & powers through switches in the power supply box the various step relays that move signals around.

When I turn it on, no problem in the K2, SG2020 or TR7. But when I'm runnin' the R-174 (50s vintage military surplus general coverage rx [1.7 - 18.2 MHz] with 1.5VDC filament/cathode tubes . . . usual power supply & zener configuration of 90VDC B+, -4.5 bias, 1.5VDC filaments), if I turn on the ATU controller PS, I get a slight hum in the rx.

If I have the Sony ICF-SW7600G (got enough letters in that nomenclature?), when I turn on the ATU controller PS, I get a real loud hum.

Are they connected by anything? Yeah. The antenna set up runs from the outhouse to the house via 75 ft of 50 Ohm ethernet cable, parallel to the control cable from the ATU controller between house & shed. Once the antenna hose comes in the window, it goes through a SP3P rotary switch, then through two cables (selected by the aforementioned switch) to the home-brew "ultimo" modified T ATU (direct or through the tuner, selected via the first switch & a switch in the "ultimo" box. From the "ultimo," the RF line runs to the PA, and from the PA through a five-position rotary ceramic switch that connects either the TR7, K2 or SG2020 or the R-174 to the PA input.

I've looked for open ground lines (the PS for the K2 is homebrew, two-wire AC, no AC ground; the SG2020 & the homebrew amp run off a SEC1223 PS w/ground plug, PS for the R174 is two wire AC, no ground plug), reversed the AC plug on the ATU controller, unplugged other stuff around the office. All to no avail.

Here's the kick to me, though: The Sony '7600 is powered by a wall wart. Polarized plug on the wall wart. Battery power, or off the wallwart, same thing: I turn on the ATU controller box & the AC hum comes stormin' through. If I disconnect the antenna from the '7600, the hum stays.

Maybe it's just all that DC holed up next to the RF . . . or the return lines for the LEDs that tell me what's engaged & what's not . . . annoying as a solar flare, though . . .

73

Nils

Nils R. B. Young -- El Gringo Errante -- W8IJN -- The Tagalong Press
http://www6.50megs.com/w8ijn -- http://members.fortunecity.com/nilsbull
"In MY day you had to FIGHT to have finals! Every DAY was a STRUGGLE!"
Comrade Nikolai Sergeiovich McTovarishov

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 26 Nov 2000 10:30:16 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu

Subject: [84755] CQWWDX Band's Dead!
Message-ID: <Pine.LNX.4.10.10011261024320.1032-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gads, I was calling and calling DF0HQ and no joy on 10 meters. He had cotton in his ears it seemed. Then did the dish washing and other chores and got back about 1700Z and 10 had only a few stateside stations. I went south and thought I heard an ea2 but too weak. Dropped to 15 and worked a ve7 but nothin else around. Went then to 20 meters and THAT is dead too. What a change from yesterday!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 26 Nov 2000 12:33:20 -0800
From: "Gary McCaughey" <MAIL4GARY@worldnet.att.net>
To: <qrp-l@lehigh.edu>
Subject: [84756] [HELP] Need info on E.F. Johnson 200-105 Coil
Message-ID: <002101c057e8$1fee1620$9bdc4d0c@garymcca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hello List Members,

Any of you guys out there with some old catalogs can give me information about an E.F. Johnson 200-105 very large coil. It is a beauty. Is it true that the coils were made out of silver back then? I am thinking of using it for a loading coil for 160 antenna or maybe putting it up for sale....any idea of worth? I can send a picture if there is any interest or if it would help find out any details.

As always....thank you in advance to anyone who can help.
Gary
W2UX
Lexington, SC

CW is the REAL THING, USE IT or LOSE IT!

Date: Sun, 26 Nov 2000 12:38:28 EST
From: NB6M@aol.com
To: rblutman@hotmail.com
Cc: qrp-l@lehigh.edu
Subject: [84757] Re: hf op in mexico
Message-ID: <51.3f94bfb.2752a494@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Rand, if you are going to enter Mexico via Tijauna, you can get your XE2 provisional permit very easily there. Yes, it will cost about $70 US for up to 6 Months, which correlates to the time limit of your tourist permit. However, it is relatively easy to do, and not a problem.

For detailed info on where to go, what you need, etc., stop by or give a phone call to Downwind Marine, in San Diego, who have a handout they give sail and power boat cruisers which includes a map to the office one goes to in Tijuana. Unfortunately, my handout, and other info, is on my boat, in Mexico, so I can't give you that info directly.

You might check the 1-800-555-1212 directory service for the 800 number for Downwind Marine.

I think what is required are copies of your tourist permit (I would make about 5), Copies of your Canadian Ham License (again about 5), and money. By the way, you will usually do better to negotiate in Pesos.

If you are planning to make your crossing at another point, then you will need to go to the Capitol City of the Mexican State you are entering, locate and go to the local office of the Director of Communications, (not the correct title) in order to get your provisional permit.

72

Wayne NB6M

Date: Sun, 26 Nov 2000 12:49:09 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: <K2FN@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [84758] Re: CQWWDX Egg on Face
Message-ID: <002701c057d1$2eac5080$4a5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Welcome to the 21st century. One hundred year old technology no longer cuts it in competitive CW. KB's and programmable keyers have been in vogue for years. You can be the proud owner of a KB for about $25. I saw a hundred year old type key advertised for 200 bucks. Nice museum piece. I don't know anything about decoders but the "experts" on two meter FM seem to know all about it.

Vic AD8K

>I have been listening to the contest for practice. I thought I was listening
>to some top notch operators. I guess I'm just listening to computers after
>all. Computers to send, computers to copy. I thought there were digital modes
>for Computer operation. Now I know why those QRO ops sound so talented. "
>They're not operating!!!" I'll never be as fast as a pentium processor. Maybe
>there is a software package that copies cw, auto responds and auto e-mails
>the log to the ARRL. No reason to loose the contest just cause your busy with
>honey do's!!!!! Or out of town. I guess SKN will be a thing of the past. We
>will have SCN. Straight computer night!!! Guess I'll just stick to the QRP
>contests. 72 Frank K2FN
>
>

Date: Sun, 26 Nov 2000 09:45:02 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84759] Re: CQWWDX Band's Dead!
Message-ID: <3A214C1E.FD07F199@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hi Karl - we got slammed with an X4 class flare at 1648Z. That's a big one!

Look here: http://dx.qsl.net/propagation/

7x! - j

ps: I'll be looking for you all on 6m ;-)

"Karl F. Larsen" wrote:
>
>   Gads, I was calling and calling DF0HQ and no joy on 10 meters. He
> had cotton in his ears it seemed. Then did the dish washing and other
> chores and got back about 1700Z and 10 had only a few stateside stations.
> I went south and thought I heard an ea2 but too weak. Dropped to 15 and
> worked a ve7 but nothin else around. Went then to 20 meters and THAT is
> dead too. What a change from yesterday!
>
> Yours Truly,
>
>   - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

--
jeff stai
WK6I DM13
NAR #21059 TRA #3356 L2
jstai@home.com / wk6i@arrl.net
ROC web page: http://www.rocstock.org/

Date: Sun, 26 Nov 2000 09:45:05 -0800
From: "K7FD K7Low" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84760] Re: Hellooooooo Radio . . . Hellooo-ooo-ooo?
Message-ID: <002701c057d0$9d617d80$8d231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Wow, Nils is right. Karl is right. The band has packed up and gone south for
the winter. It's dead in the NW, that's for sure. Guess I'll clean up the
shack today...

but I did manage to work a few q's this weekend inbetween holiday
activities...here's who I worked and with what stuff:

Wilderness SST - 20m 3 el. Quad - 1.8 watts

LY2IJ, EA8BH, OH2BH, OH6K, OH6RX,
LY2CY, R3K, JA5BJC, JA1YPA, U5WF,
UA4FER, J79GU, LY2LA, S58A, RA4AG,
OK5W, HG6N, OL0E, OT0T, RU1A, VE3PN,
VE5HF, OH7M, RM4W, & DJ7AA.

Elecraft K2 - 40m Loop - 5 watts

JA5BJC, J3A, P40E, RA0CG, J3G,
NH7/N6HC, PJ2T, C08ZZ, JJ3YBB,
HC8N, JA3YBK, W7DRA/KH6, & HI3K.

Considering the narrow tuning range on the SST, I'm happy with the results.
Even the K2 surprised me on 40m...

72 John K7FD

Subject: Hellooooooo Radio . . . Hellooo-ooo-ooo?

> Lagunak!
>
> Oh boy! That was interesting. I'm sittin' here, about 1650Z, listening to
> PSK sigs on 20m, trying to see what the '2020 will do (controllable input
> & all that, VOGAD &c to the contrary notwithstanding &c). A couple guys
> were talking about deep fading & all that. Signals going south. The solar
> eruption or event or whatever last night or something.
>
> Suddenly, nada!

Date: Sun, 26 Nov 2000 10:49:47 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [84761] CQWWDX Computers
Message-ID: <Pine.LNX.4.10.10011261032150.1032-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I am as guilty as the next guy for using a computer to send
and log my contacts. My keyer is clear out of the circuit. I will fix that
before the next contest.

But some of the foreign stations are just odd. They are using such computer software that allows them to change cw speed at random. They send their message to the caller at 50 wpm and then drop back to 35 wpm for calling cq ect. Not sure what software that is.

All of this I can do with my CMOS II keyer for that matter. Yes I can sound like those idiots changing speed with canned responses. I think this year is a classic of poor operating habits. Both US and other operators are trying to set up either their keyer or there computer to do the work that used to be done by a real live operator. The end of this automation will be a computer controlled station that collects qso information and calls cq and works callers automatically. You just mail in the score.

Well glad the CME hit and the bands died. Puts us all out of our misery...:-)

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 26 Nov 2000 09:51:02 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: MAIL4GARY@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84762] Re: [HELP] Need info on E.F. Johnson 200-105 Coil
Message-ID: <3A214D86.FF30B274@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This url has some links to E.F. Johnson ads and info.

Phil W7OX

Gary McCaughey wrote:
>
> Hello List Members,
>
> Any of you guys out there with some old catalogs can give me
> information about an E.F. Johnson 200-105 very large coil.
> It is a beauty. Is it true that the coils were made out of
> silver back then? I am thinking of using it for a loading
> coil for 160 antenna or maybe putting it up for sale....any

> idea of worth? I can send a picture if there is any
> interest or if it would help find out any details.
>

Date: Sun, 26 Nov 2000 12:55:23 EST
From: NB6M@aol.com
To: rblutman@hotmail.com
Cc: qrp-l@lehigh.edu
Subject: [84763] Re: hf op in mexico
Message-ID: <78.d1f23fc.2752a88b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Rand, I forgot to include that you would need copies of your Canadian
passport, as well.

Good luck with it, and even if you are not planning to cross at Tijuana, the
info from Downwind Marine would at least give you the proper title of the
office you would need to seek out in other Mexican State Capitols.

72

Wayne NB6M

Date: Sun, 26 Nov 2000 09:57:13 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: K2FN@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84764] Re: CQWWDX Egg on Face
Message-ID: <3A214EF9.4F9A13A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

K2FN@aol.com wrote:
>
> I have been listening to the contest for practice. I thought I was listening
> to some top notch operators. I guess I'm just listening to computers after
> all. Computers to send, computers to copy. I thought there were digital modes
> for Computer operation. Now I know why those QRO ops sound so talented. "
> They're not operating!!!"

I wouldn't draw a universal conclusion too quickly. At a large 1999
Field Day setup I was band captain for 40/15 CW. Knowing that my 20 WPM
speed range would leave me stressed out, I enlisted faster ops and did a
full computer-aided setup for send and receive.

The latter was wasted. Those guys were able to run at 35 WPM or so with
NO computer help except logging.

73, Phil

Date: Sun, 26 Nov 2000 13:17:49 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: K2FN@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84765] Re: CQWWDX Egg on Face
Message-ID: <Pine.BSI.4.05L.10011261315360.16982-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 26 Nov 2000 K2FN@aol.com wrote:

> honey do's!!!!! Or out of town. I guess SKN will be a thing of the past. We
> will have SCN. Straight computer night!!!

Perhaps we can convince the league to offer the coveted EPL (email
pounders list) medialion.

73
thom
./
baltimoremd@baltimoremd.com   Thom LaCosta K3HRN Webmaster

http://www.baltimoremd.com/   Baltimore's Home Page
http://www.baltimorehon.com/   Home of the Baltimore Lexicon
http://www.zerobeat.net   Home of The QRP Web Ring
                                        and Drake Mail List Pages

----

Date: Sun, 26 Nov 2000 12:10:18 -0600
From: Robert McAtee <w5tnj@camalott.com>
To: qrp-l@Lehigh.EDU
Subject: [84766] K-1 problems, problems!
Message-ID: <3.0.3.32.20001126121018.007d3ea0@mail.camalott.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK so I'm a dumb butt! Now, I've built a half dozen kits, MFJ's, Vectronics, and heath. All work fine. Even the SMK-1 worked great. But woe is me when it came to page 38 of the ver C 9 Oct. manual of the K-1. I've spent at least 8 hours trying to inturpert and do that calibration procedure. I've even turned that stupid D3 around and tried to make some sense out of the display. I do get a voltage change from 1.25 to 2 volts across it when I turn the vfo pot. But only sometimes do I get a display number change with the pot. I can put my fingers on the L1 and get all kinds of readings. Who knows what I'm suposed to read??? I see an *example* of 3.130, what does that mean?? I can eventually get a flashing 3 and a number like 050 but the vfo knob won't change it. What a mess. Boy do I miss the days when you pluged in a crystal and keyed away!! 5 stars to you guys that say; " finished my k-1 in x hours made x qso's". Elecraft needs to send you a dipoloma certifying you as MASTER KIT BUILDERS!!! Also one for speaking or at least reading FUZZY manuals and displays. I think I've got a bad C3 on the RF section. (You gotta specify the section/board or you'll find Cx, Rx, and Xx's all over the place with the same designation. The designer must not be able to do *progressive* numbers.). Yes you flamers, I've checked every componant more then twice. All oriented perfect, resistances and voltages in tolerance, (I think, depends on the meter you use.). Everything works perfect up to page 38. Oh, I didn't install a Q3, MPSA14, cause I didn't get one. Since that's a darling xistor for the AGC I don't think thats a problem. But what do I know. Soooo I think I'll just keep melting solder and phone Wayne, Gary, on Monday and maybe someone can walk me thru *my* mess.... Y'all take care now ya hear! ==Mac== AG5F, Abilene, Texas. "The devils' advocate".

Date: Sun, 26 Nov 2000 13:20:41 EST
From: NB6M@aol.com
To: rblutman@hotmail.com
Cc: qrp-l@lehigh.edu
Subject: [84767] Re: hf op in mexico-Further Info
Message-ID: <b7.8ee1f0a.2752ae79@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Rand,

Check out the info on the Downwind Marine website at:

http://www.downwindmarine.com/ham-license.html

This site has the info on the proper office locations in several Mexican cities, plus the info on what else you need.

72

Wayne NB6M

Date: Sun, 26 Nov 2000 19:36:55 +0100
From: "Nico Vertriest" <nvcw@village.uunet.be>
To: "qrp-l" <qrp-l@LeHigh.edu>
Subject: [84768] Temporary license in Philippines
Message-ID: <002901c057d7$dac06180$7a12bed4@immvu>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

Is there anyone who has already had (or has knowledge about getting) a temporary license for HF operating in the Philippines ?

Thanks in advance.

73

Nico
on4civ

Date: Sun, 26 Nov 2000 10:35:43 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: MAIL4GARY@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84769] Re: [HELP] Need info on E.F. Johnson 200-105 Coil
Message-ID: <3A2157FF.61BC21BF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gary McCaughey wrote:

>
> Hello List Members,
>
> Any of you guys out there with some old catalogs can give me
> information about an E.F. Johnson 200-105 very large coil.
> It is a beauty. Is it true that the coils were made out of
> silver back then? I am thinking of using it for a loading
> coil for 160 antenna or maybe putting it up for sale....any
> idea of worth? I can send a picture if there is any
> interest or if it would help find out any details.
>

Ooops .. forgot to add the link:

http://directory.google.com/Top/Recreation/Amateur_Radio/Boatanchors/Johnson/

Phil

Date: Sun, 26 Nov 2000 13:37:15 EST
From: BruceAA5B@aol.com
To: qrp-l@lehigh.edu
Subject: [84770] VP5 on QRP
Message-ID: <36.e870f6c.2752b25b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I'm leaving soon for North Caicos, a little island between
the Bahamas and Puerto Rico. I'll be VP5K during the
ARRL 160 and 10 meter contests running full power, but
will be on the air during the week as VP5/AA5B. Look for
me around the QRP frequencies and on the WARC bands
a lot, where I'll be happy to have a 2xQRP QSO with you!

    -Bruce AA5B

Date: Sun, 26 Nov 2000 13:47:20 -0500
From: w4bws@juno.com
To: mmfancher@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [84771] Re: Contest on 40M
Message-ID: <20001126.134725.-264865.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

I've had 20 plus contacts in the novice portion of 40 dodging the foreign broadcast stations with my NW 40. If you havent had the pleasure of listening to this receiver,
I suggest you find someone with one. You can't get much simpler in operation, only basic controls, volume, tuning, RIT. If you don't crowd the band edge, just call and work what you hear. I compared it with my IC735 and could hear anything except right at the noise floor of the 735 I could still hear some very weak ones. No problem as I know those stations I could not have worked anyway. I wish there were more clear spots on 7.1 to 7.15 at nite. Yeah, well I won't hold my breath.
Took a listen on ten and could not believe the din,sounded like 40 or 20, solid for
200 khz above 28.000.
Don W4BWS

On Sat, 25 Nov 2000 19:17:36 -0500 "Mark Fancher"
<mmfancher@earthlink.net> writes:
> Jeez,
>
> I wish those of us who don't want to participate in the contest
> could
> operate! The whole 40M band it taken over!
>
> It doesn't seem fair to take over a whole segment of frequency for a
> contest.
>
> Mark Fancher
> mmfancher@earthlink.net
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

_____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 26 Nov 2000 14:19:50 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w7ox@earthlink.net

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [84772] Re: CQWWDX Egg on Face
Message-ID: <3A216256.5099@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Phil, and Group,

Any of you thathave ever used Morse Decoding Software will know that it is extremely limited. It requires a clean signal. It requires a minimum signal level. Contesting offers neither of these. The signals are hardly clean, they are covered in QRM, and they don't meet the requirements to minimum signal levels either! A contest if just that, a contest that tests your ability to pull signals out of the surrounding noise.

73

Date: Sun, 26 Nov 2000 14:22:38 -0500
From: W8LX@arrl.net
To: <qrp-l@Lehigh.EDU>
Subject: [84773] Re: CQWWDX Egg on Face
Message-ID: <200011261925.OAA20524@mclean.mail.mindspring.net>

>I have been listening to the contest for practice. I thought I was listening
>to some top notch operators. I guess I'm just listening to computers after
>all. Computers to send, computers to copy. I thought there were digital modes
>for Computer operation. Now I know why those QRO ops sound so talented. "
>They're not operating!!!"

I wouldn't go that far. Computers for sending? Yes. Not sure how well or how much time it would take to properly tune the receiver so a CW decoder would print something other than gibberish in a contest. One could probably have several contest QSO's in the same amount of time.

There seems to be this widespread misconception that if you're using a keyboard to send you must also be using a computer to receive. I've been QRM'd when running high speed CW on the low end of 40 by individuals who are dead set convinced we're running computers to decode and are intent on trying to mess up our copy. A little "Lake Erie Swing" will usually convince them we're not video rangers and they will go away.

--

Rob Peebles, W8LX
Dublin, Ohio
W8LX@arrl.net

Date: Sun, 26 Nov 2000 14:25:53 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [84774] Re: CQWWDX Computers
Message-ID: <20001126.144323.-260761.13.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Karl
     while I agree with ur sentiments
LOGIC says... WHATEVER gets meaux contacts is the thing to do... and we
are a logical society... sooo...
     just think, while ur winning a cw contest u can be building ur next qrp
project... guess there's good and bad in evrything...
ke1la joel
in maine
mainely freezing

_____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 26 Nov 2000 15:13:56 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [84775] Contest
Message-ID: <200011261948.OAA22282@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

You just gotta love these simple exchange contests. I simply
programmed my call in one keyer memory and "TU 5NN 5" into the other
and worked a few stations simply by pushing two buttons!

Got on 40m about 1 am local, after the QRN from the storm quieted

down and the band got less busy. Worked YU8KU, EA4ML, DF0SQ, LY7A,
RW2F and G3WUX. Several new countries for me on 40 qrp.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sun, 26 Nov 2000 14:54:31 -0500
From: neil tanner <ntan@crosslink.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [84776] laptops and psk31
Message-ID: <3A216A77.3DC48260@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all-
I have an older laptop that I use for mostly for la0bx version of
Hellshreiber and occasionly rtty and once for sstv. I am using the
Hamcomm style interface. Just wished there was a way to use my laptop
for psk31----can't install a soundcard.
72
Neil

Date: Sun, 26 Nov 2000 13:56:43 -0600
From: "James Parsons" <res075cz@gte.net>
To: <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [84777] Re: Contest
Message-ID: <006a01c057e3$009dace0$7c640304@dsl.vz.genuity.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

But what did you send if he was 579?

----- Original Message -----
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, November 26, 2000 9:13 AM
Subject: Contest

> You just gotta love these simple exchange contests. I simply
> programmed my call in one keyer memory and "TU 5NN 5" into the other
> and worked a few stations simply by pushing two buttons!
>
> Got on 40m about 1 am local, after the QRN from the storm quieted
> down and the band got less busy. Worked YU8KU, EA4ML, DF0SQ, LY7A,
> RW2F and G3WUX. Several new countries for me on 40 qrp.
>
>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"
>

Date: Sun, 26 Nov 2000 14:56:53 EST
From: K2UD@aol.com
To: n0rc@arrl.net
Cc: qrp-l@lehigh.edu
Subject: [84778] Archron clock
Message-ID: <a7.95bf9a5.2752c505@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Mine seems dormant. I suspect perhaps one of the xtals inside, they are similar to the small tubular jobs in the NC-20. One of them has a marking on it, but the other is naked. Does anyone have information on the values of these xtals? Has anybody played inside one of these clocks?

Clock has no display, batteries are good, display lights up (doesn't need the micro for that!).

TNX to anybody who might be able to help with this.

72

Howard Kraus, K2UD

Date: Sun, 26 Nov 2000 14:48:43 -0600
From: "Dennis Johnson" <djohn@dwx.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>

Subject: [84779] EZNEC 3.0
Message-ID: <003501c057ea$a0d2b0a0$b2c6cecf@dennisjohnson>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd appreciate receiving comments -- good and bad -- from anyone who has experience using the EZNEC antenna modeling software. I'm considering buying a copy.

Tnx/72 ... Dennis, N0WA

Date: Sun, 26 Nov 2000 12:53:44 -0800 (PST)
From: wa4dou@excite.com
To: qrp-l@lehigh.edu
Subject: [84780] F/S: Stuff
Message-ID: <27755104.975272024140.JavaMail.imail@chilly.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,
  Have the following items for sale that might seem appropriate to advertise here.

  1) Inrad 120A 500 hz. crystal filter for the Yaesu FT-840. 1 year old. It is a big improvement to the receiver for cw under crowded / weak signal conditions. $80 delivered to your door via UPS or USPS.

  2) Bencher BY-1 Dual Iambic Paddles, excellent condition. Delivered to your door via UPS or USPS for only $55.

  3) Norcal Dual Iambic Paddles, red base. Delivered to your door via UPS or USPS for only $45.

  4) Ten Tec 1208 6 Meter Transverter, 5wts. in @ 14 mhz. = 50 mhz. out @ 8 watts. Factory wired and tested. Excellent condition. Delivered to your door via UPS or USPS for $90.

  Thanks es 73 de Roy Lincoln WA4DOU Elm City,N.C. 27822 (252)446-5764

____
Tired of slow Internet? Get @Home Broadband Internet
http://www.home.com/xinbox/signup.html

Date: Sun, 26 Nov 2000 16:07:32 -0500
From: "John Nall" <nally@talstar.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84781] Unknown chip - help?
Message-ID: <001101c057ec$e4ff2a40$0200a2c6@dellsystem>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm trying to identify an 8-pin chip, which I THINK might be an op-amp,
possibily some variation of a 741, but not sure.

Has two numbers on it, but the only one I can make out with these tired
old eyes (plus a magnifying glass) seems to be TL072CP

That ring a bell with anyone? (Comes from a decoder circuit, which
takes audio tones from the receiver and converts them to bits for the
ubiquitious computer).

Thanks much,

John AF4WM
af4wm@arrl.net

Date: Sun, 26 Nov 2000 15:22:47 -0600
From: "Michael Melland" <badger@vbe.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <elecraft@qth.net>
Cc: "Michael S. Fisher" <wt9w@netnitco.net>, <ALJO96@aol.com>, "Phil Wheeler"
<w7ox@earthlink.net>
Subject: [84782] FIX : K1 power output and linearity (long)
Message-ID: <001701c057ef$2e0a4880$e4854d40@0019896170>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had earlier posted the problem I was having with severe non linearity of the readout of my K1 as compared to two known accurate meters into a Bird 50 Ohm load. I also was only able to coax a max of 5 watts out on the 7 watt setting on 40 meters and less than 5 watts out on 20 meters.

Mike Fisher had earlier posted his results after changing R37 to a 1% 200 Ohm resistor to recalibrate the K1's RF detector (hint from Gary Surrency). As stated above Mike and I seemed to have exactly the same problem. First I checked all the components related to this circuit.... (thanks Wayne Burdick) R34,C43,D15,R7 and R36. All components were checked and found to be fine.... I also checked all my torroid windings and solder connections also found no problems but.... you guessed it.... still non linear and low output.

All I had around was a 1/2 watt 200 Ohm resister so I replaced R37 as Mike did with it and noticed an improvement in meter accuracy and slightly more power out. Not being one to let well enough alone, I decided to try some other values.... non standard and not 1% values but......

I found that if I soldered two .25 watt 390 Ohm resistors in parallel I got 192 Ohms which seems to be the best value for my particular K1. I'll list the before and after results below.... bottom line..... much better K1 reading linearity which makes it much nicer to set your power, better power out.

All tests done with supply set at 14 volts, 1 amp. Tune mode on the K1 into a 50 Ohm Bird load using my OHR WM-1 and Bird with low power slugs (loaned the slugs from a metrology friend.... whew).

Figures in this order:

K1 power out setting : K1 LCD reading : Wattmeter reading

Before
Freq 14.050
2 : 2.3 : 1.5
3 : 3.2 : 2
5 : 5.2 : 3.5
7 : 7.1 : 5

Freq 7.050
2 : 2.5 : 1.8
3 : 3.3 : 3
5 : 5.1 : 4.1
7 : 7.3 : 5

**AFTER Changing R37 to 192 Ohms (2x390 5%)

Freq 14.050
1 : 1.2 : 1.2
2 : 2.2 : 2.2
3 : 3.1 : 3
4 : 4.2 : 4
5 : 5.1 : 5.1
6 : 5.9 : 5.9
7 : 5.9 : 5.9/6.0 - max out is 5.9/6.0 on 20 meters

Freq 7.050
1 : 0.9 : 1
2 : 1.9 : 2
3 : 3.0 : 3.0
4 : 4.0 : 4.0
5 : 5.2 : 5
6 : 6.0 : 6.0
7 : 7.0 : 7.0 - max out 7 watts on 40 meters

I'm not going to fiddle with it any more (yeah right <grin>) but this appears to be a big improvement to my K1..... test and modify at your own risk..... and your mileage may vary.

73 de Mike, W9WIS

--
Michael Melland, W9WIS
Winneconne, Wisconsin USA - Grid EN54pc
QRP-L #1656 - QRPARCI #9875

Date: Sun, 26 Nov 2000 15:36:54 -0600
From: "George, W5YR" <w5yr@att.net>
To: nally@talstar.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84783] Re: Unknown chip - help?
Message-ID: <3A218276.51785A5F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That is a Texas Instruments number if that is any help.

72/73, George   W5YR - the Yellow Rose of Texas   NETXQRP 6

Fairview, TX   30 mi NE Dallas in Collin county   QRP-L 1373

Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

John Nall wrote:
>
> I'm trying to identify an 8-pin chip, which I THINK might be an op-amp,
> possibily some variation of a 741, but not sure.
>
> Has two numbers on it, but the only one I can make out with these tired
> old eyes (plus a magnifying glass) seems to be TL072CP
>
> That ring a bell with anyone? (Comes from a decoder circuit, which
> takes audio tones from the receiver and converts them to bits for the
> ubiquitious computer).

Date: Sun, 26 Nov 2000 14:45:57 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>
Subject: [84784] Solar Activity, WOW!
Message-ID: <OE34GAua7UVRJ1zGax8000037be@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;   charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check this out:

http://www.sec.noaa.gov/today.html

8 solar flares in the last 3 days, 5 of them X-class! And, there is
the potential for more:

3-day Solar-Geophysical Forecast issued 25 at 22:00 UTC
Solar Activity Forecast: Solar activity is expected to continue at
moderate to high levels. Region 9236 is capable of continued M and
X-class events. A filament has reformed in the vicinity of the 0131Z
eruption in Region 9240. If the present pattern continues, we should
see another major event from this region in the next three days.
Geophysical Activity Forecast: The geomagnetic field is expected to
reach minor to major storm levels early in day one. We observed as
many as six Earth directed CME'S in the last 48 hours, so minor to
major storm levels are expected through the next three days. Another
proton event is possible should Regions 9236 or 9240 produce another
major flare.

Man those CME's are stacked up like commuters waiting to get on the
freeway!

EVACUATE THE PLANET THE SUN HAS GONE MAD. Sorry I could resist a
little sensationalism. ;-)

If I remember correctly, Paul Harden told us that these busy periods
are often followed by quite calm conditions. And with all the extra
particles in the ionosphere DX conditions could be quite interesting a
few days from now. Anybody's guess, keep the rig on and the ears
perked up. On 30m last night around 0730z I heard a EA station calling
CQ, very weak, 329, but copyable. I tried calling a few times at 5W
but no luck. I just couldn't bring myself to cranking up the power to
10 or 15W.

73, Rod N0RC
Ft Collins CO

Date: Sun, 26 Nov 2000 16:57:10 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <nally@talstar.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84785] Re: Unknown chip - help?
Message-ID: <001901c057f4$4a25c580$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe that is a bight OP amp.

I think they are one the wall at Radio Shack, so you should
be able to get a spec sheet there

Mike

> I'm trying to identify an 8-pin chip, which I THINK might be an op-amp,
> possibily some variation of a 741, but not sure.
>
> Has two numbers on it, but the only one I can make out with these tired
> old eyes (plus a magnifying glass) seems to be TL072CP
>
> That ring a bell with anyone? (Comes from a decoder circuit, which
> takes audio tones from the receiver and converts them to bits for the
> ubiquitious computer).

>
> Thanks much,
>
> John AF4WM
> af4wm@arrl.net
>
>
>

Date: Sun, 26 Nov 2000 14:02:32 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <res075cz@gte.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84786] Re: Contest
Message-ID: <000201c057f5$554a2360$87414cd1@johnmori>

> But what did you send if he was 579?

You don't understand; this is a *contest* ;-)

72,

John, K6QQ

Date: Sun, 26 Nov 2000 17:09:31 -0500 (EST)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [84787] Wanted Laptop for qrp
Message-ID: <Pine.LNX.4.21.0011261657001.511-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello,
I am interested in a pentium class toshiba laptop for use with ham related activity. I have the following qrp rigs to trade:

Yaesu FT-7 qrp xcvr SSB/CW DC/ cord/original manual- very nice 20w input
and/or
Ten Tec 505 cw/ssb xcvr with original box and manual.

Either rig plus minus cash depending on what you need for your laptop.
Tell me what you have and what which of the above you need for it.
I am not familiar with laptops at all so you might have to be specific
about what features yours has.

ethernet compatible would be nice, although I don't know if any have this
capability. cdrom,chunk of ram and a hard drive are needed.

73,

Jim n2go

Date: Sun, 26 Nov 2000 17:24:26 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: James Parsons <res075cz@gte.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84788] Re: Contest
Message-ID: <Pine.BSI.4.05L.10011261721540.24359-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 26 Nov 2000, James Parsons wrote:

> But what did you send if he was 579?

Well, you'd still send the same canned message...after all, the contest
isn't designed to exchange accurate reports, is it?

The question might be, why even exchange signal reports at all?

thom
./././

To: <nally@talstar.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84789] Re: Unknown chip - help?
Message-ID: <004501c057f5$879b9ba0$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One of the coolest things out there is the google search engine. Unlike
other search engines which rate hits based on how much advertising they send
the engine's way, google just searches for what you ask for. Entering TL072
returned this page:

http://focus.ti.com/docs/prod/productfolder.jhtml?genericPartNumber=TL072

as the first hit. It appears, as you suspect, to be an op amp.

72/73 de WB8RCR   http://members.home.com/wb8rcr/index.htm
didileydadidah   QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "John Nall" <nally@talstar.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, November 26, 2000 4:07 PM
Subject: Unknown chip - help?

> I'm trying to identify an 8-pin chip, which I THINK might be an op-amp,
> possibily some variation of a 741, but not sure.
>
> Has two numbers on it, but the only one I can make out with these tired
> old eyes (plus a magnifying glass) seems to be TL072CP
>
> That ring a bell with anyone? (Comes from a decoder circuit, which
> takes audio tones from the receiver and converts them to bits for the
> ubiquitious computer).
>
> Thanks much,
>
> John AF4WM
> af4wm@arrl.net
>
>

Date: Sun, 26 Nov 2000 16:12:24 -0600

From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84790] Re: Unknown chip - help?
Message-ID: <00ee01c057f5$f43e46e0$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

John/All,
TI's pretty good about putting their data (and datasheets)
online. From www.ti.com you can search and find the product
overview which also has a link to the Adobe PDF datasheet.
The overview is here:
http://focus.ti.com/docs/prod/productfolder.jhtml?genericPar
tNumber=TL072

and the PDF datasheet here:
http://www-s.ti.com/sc/psheets/slos080d/slos080d.pdf

Good luck!

72/73,
Lew
N5ZE

> > Has two numbers on it, but the only one I can make out
with these tired
> > old eyes (plus a magnifying glass) seems to be TL072CP
> >
> >
> > John AF4WM
> > af4wm@arrl.net
> >
> >
> >
>

Date: Sun, 26 Nov 2000 17:16:27 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [84791] Re: Unknown chip - help?
Message-ID: <002901c057f6$950b7020$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the typo. I meant BiFet OP amp.

They are sold as single, dual, and quads, as TL071, 72, and
74s.

Mike

> I believe that is a bight OP amp.
>
> I think they are one the wall at Radio Shack, so you should
> be able to get a spec sheet there
>
> Mike
>
>
> > I'm trying to identify an 8-pin chip, which I THINK might be an
op-amp,
> > possibily some variation of a 741, but not sure.
> >
> > Has two numbers on it, but the only one I can make out with these
tired
> > old eyes (plus a magnifying glass) seems to be TL072CP
> >
> > That ring a bell with anyone? (Comes from a decoder circuit, which
> > takes audio tones from the receiver and converts them to bits for the
> > ubiquitious computer).
> >
> > Thanks much,
> >
> > John AF4WM
> > af4wm@arrl.net
> >
> >
> >
>
>

Date: Sun, 26 Nov 2000 14:19:03 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: djohn@dwx.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [84792] Re: EZNEC 3.0

Message-ID: <3A218C57.F6F374D@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dennis Johnson wrote:
>
> I'd appreciate receiving comments -- good and bad -- from anyone who has
> experience using the EZNEC antenna modeling software. I'm considering
> buying a copy.
>

An excellent product. I believe there was a mini-review in a recent
QST. And an on-going QST series (second part in 12/00) shows examples
of its use.

I believe someone said there is a demo version at the author's web
site. Yes, thre is, here:

http://www.eznec.com/demoinfo.htm

Phil W7OX

Date: Sun, 26 Nov 2000 16:21:58 -0600
From: "James Parsons" <res075cz@gte.net>
To: <qrp-l@lehigh.edu>
Subject: [84793] Re: Contest
Message-ID: <000d01c057f7$4ac90300$7c640304@dsl.vz.genuity.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you, Joel. I understand....I think!

But, since 599 is the order of the day, and speed seems to be everything,
why not just eliminate sending the 599?

Maybe I am just being too practical. Sorry abut that...

----- Original Message -----
From: <hamjoel@juno.com>
To: <res075cz@gte.net>
Sent: Sunday, November 26, 2000 15:07 PM

Subject: Re: Contest

> James
> it's a contest, 599 is the order of the day... has nothing to do with
> reality...
> really!!!
> ke1la joel
> in maine
> _____
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> http://dl.www.juno.com/get/tagj.
>

Date: Sun, 26 Nov 2000 15:25:05 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <elecraft@qth.net>, "qrp-l" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>
Cc: "\"w0mc\" <" <w0mc@hotmail.com>, "Gary Atkins" <gatkins@lamar.colostate.edu>, "Bill Flynn, AI0C" <ai0c@arrl.net>, "ncarc-l" <ncarc@qth.net>
Subject: [84794] K2/K1 Radio Rallye & Rendezvous
Message-ID: <OE47HutfSPHqImZyXOs00002db4@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;   charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Who: K1/K2 owners
What: See subject line
When: 09-Dec-200 9a-2p
Where: N0RC QTH
Why: Because

Bring your rig(s) to show off or tune up/modify/tweak...whatever.

First order of business will be tweaking the filter setting on a friends K2. Maybe doing a Firmware transplant. Then it's up for grabs. I'll have an N0SS noise bridge, spectrogram, DMM and hot and cold running solder. The operating table will be open to anybody for on air testing. I'll also have my SuperAntenna PW-1 available for on-air testing.

Price of admission: A K2, a K1, or both, to show off or tweak. If you

don't have a K2 or a K1 you MUST have a genuine interest in one and BE WILLING TO ORDER via the web page before you leave! ;-) Other QRP/CW stuff is welcome too. If you have test equipment you can bring even better.

So drop on by, doors open at 9a, close at 2p. The coffee will be hot and Clancy the not so QRP 100 lb Labrador Retriever loves company, hint he's a "ear scratch dog".

73, Rod N0RC
Ft Collins CO

Date: Sun, 26 Nov 2000 14:36:50 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <w7ox@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [84795] Re: EZNEC 3.0
Message-ID: <002c01c057f9$5f18ade0$87414cd1@johnmori>

>
> > I'd appreciate receiving comments -- good and bad -- from anyone who has
> > experience using the EZNEC antenna modeling software. I'm considering
> > buying a copy.

Dennis,

I'm prejudiced because I've been using Roy's antenna software literally since a few hours after he released the first version of ELNEC. I've used it both professionally and for ham radio.

I have the latest version of EZNEC, and think it is probably the best software value anywhere. It is easy to learn to use, and I have found it to be *very* educational. His support is outstanding.

Try his free demo version and then decide for yourself.
See www.eznec.com

72,

John, K6QQ
Alturas, CA, at the corner of 299 & 395.

Date: Sun, 26 Nov 2000 18:27:00 -0500
From: Richard Arland <rarland@earthlink.net>
To: elecraft <elecraft@qth.net>, QRP List <qrp-l@lehigh.edu>
Subject: [84796] K1 #017 & the CQ WW CW Test
Message-ID: <3A219C44.D92DDE36@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

Had a couple of hours to myself this afternoon so I decided to take my new K1 on a test drive on 20 meters during the CQ WW CW Test. I started at 14.000 MHz at 1605Z and started working up the band very slowly doing a search-and-pounce routine. In two hours I had covered 57 kHz and made 41 Qs. That works out to roughly one QSO every 2.9 minutes. Not blistering but not bad for and old fart with marginal antennas. Since I wasn't going for a score and wanted to check out receiver performance, this rate was just right.

The K1 receiver was very good...not nearly as good as the K2, but that is to be expected. Did notice some blow-by on really big signals, but for the most part, the RX stood up very well to the abuse caused by lots of loud signals in a small slice of spectrum.

Several times I'd park next to a Big Gun and listen just below the signal for weaker stations. This netted me some Qs I wouldn't have gotten otherwise. I found that the rig was capable of hearing much weaker signals as close as 300 Hz to a 20dB over S-9 signal. That is not bad. These are subjective results, I know, but I am very pleased with the overall receiver performance on the K1.

I managed to bust several pile ups including CN8WW (1st shot!), CT1AOZ and CT3DX (another one shot kill). It wasn't me...these guys have really good ears.

Initially I set my K1 up with a 500 Hz offset, which I like. I have found that this lower note is easier on my ears, but takes some getting

use to when all my other rigs have a 700 Hz note.

In short, I had a lot of fun, putzing around with my new K1 in a major contest and have no doubts about the rig's performance. This one's a keeper.

73 Rich K7SZ

Date: Sun, 26 Nov 2000 15:32:23 -0800
From: Lee Hopper <leehop@uswest.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [84797] Contesting: CQWW
Message-ID: <3A219D87.2A1DBEBD@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sawat dee, krap!

40 WPM?? BRING EM ON!!!

- Yeah, bring em on about 4 times and I'll get it!

The bottom line: 51 qso's, 136 points, 37 mults = 5032 points in about 7 hours of casual qrp operating over 2 days.

Thanks to K7JIH for the Hustler vertical - just put it in a tripod like a Xmas tree and set it outside the front door.

Thanks again to Brian Kassel, K7RE & the Arizona Scorpions for qrpdupe, the fine, simple and *free* contest logging program!

73's

Lee Hopper, KD7CTF
Portland, OR, USA

Date: Sun, 26 Nov 2000 17:34:01 -0600
From: "DONALD G. DORN" <DDORN@CWIS.NET>
To: LOW POWER AM RADIO DISS <QRP-L@LEHIGH.EDU>
Subject: [84798] USING RELAYS FOR BAND SW
Message-ID: <3A219DE9.275AD4DD@CWIS.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Folks,
I am considering building a dual band transceiver for 20 and 40 which will use several small SPDT relays for band switching rather than a regular multi wafer ceramic band switch. If anybody has tried this or can think of any pitfalls to be aware of I would appreciate hearing from you.
73/72
Don K5AAR
Lake Eufaula, Ok.

Date: Sun, 26 Nov 2000 16:47:19 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [84799] CQWWDX It's over
Message-ID: <Pine.LNX.4.10.10011261617300.1334-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well after many false starts and CME changes the CQWW DX contest will be history in 15 minutes. I took a very casual way with the contest because it's been many years since I last did it serious. Of course it's my first running QRP and more on that later.

Since I live in Las Cruces, NM I'm closer to Japan than Europe. So I worked a lot of Hams in Japan. Also found some South American stations that heard me well. So of the 50 odd stations I worked a large part are from Japan zone 25. But of course there are a lot of hams there and they were all on 10 meters. I worked them from 28.020 to 28.108 MHz. They were all 599 and so was I.

The QRP-Dupe software was very good. It took some getting used to but after that it was quite easy to make a contact: f6, f4. That is all it took. But if something odd happened it was key f9 and sending with the keyboard. My sending was real good!

QRP DX chasing is real good practise for proper DX operating. Your not going to overpower anyone. Your not going to be heard if ANYONE else calls. So you must wait until in the 100 msec between his cq ending and your pressing f6 no-one calls that you can hear so YOU call. Bingo, another station worked. I stayed on 10 meters for the most part and that's a big clear band. But when there are that many stations operating even this gets crowded. I needed a very narrow receiver and didn't use my ts-50 as I should have. This was due to my other problem with copy of fast cw.

So planning for 1 year from now some changes are going to be made. I will build a coupler so both my keyer and the computer can key the radio as I choose. I will have this all set to connect to my ts-50. I will send some bugs I found with the QRP-Dupe and those will be corrected. nothing major of course. I will look for a good computer cw reader. I'm convinced most serious guys have this capabilty. And I will set up a schedule of what band at what time. This will help me find the dx.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 26 Nov 2000 16:51:32 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: gqrp@onelist.com, qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Cc: "Prof. Arnaldo Coro Antich" <inforhc@ip.etecsa.cu>, satern.europe@virgin.net
Subject: [84800] More Solar Activity/Aurora Alert
Message-ID: <Pine.SUN.4.10.10011261623590.21973-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
The first two shockwaves from all the solar flares past 2.5 days has arrived, elevating the solar wind to 600 km/sec, although it has not yet produced any MAJOR geomagnetic storm conditions (due to the direction of the magnetic field still pointing northward). The big shockwave is due later this evening, which could trigger MAJOR to SEVERE storm conditions, in addition to triggering some spectacular auroral displays over North America ... IF it hits over the next couple of hours up through around local midnight. Since we have a new moon keeping the skies quite dark, it would be very favorable for auroral viewing. So worth keeping your eyes to the northern sky and see if you can see the "northern lights." As a minimum, it will be seen as a dull red glow, almost like a big fire just over the horizon. Of course, the farther north you live, the better the chances.

Yesterday ended up with another major X1 flare, and today produced a yet bigger X4 flare. All of these from a region on the sun that still "geoeffective," that is, where the shockwave and CME material will be flung towards the earth. We have several shockwaves on their way to us right now.

These shockwaves will not effect 30M and above by much, so propagation

on the higher bands will remain quite good with the solar flux now 202. However, as the geomagnetic storming increases with each arriving shockwave, their effects will be seen primarily on 40 and 80M during evening hours. Currently, only ACTIVE conditions exists (MINOR storming in Canada/Alaska). As our magnetic field gets disturbed further, so will the noise levels on 40-80M. But, there is the possibility that these shockwaves will not alter the direction of the interplanetary magnetic field (IMF), leaving only small effects on HF ... but the increased solar wind speed and density WILL still trigger enhanced aurora.

Even with the onset of major storming, 30M and 20M should support good DX propagation nearly "around the clock" tonight and tomorrow for some good QRP DX contacts.

Below some comments on today's daily NOAA RSGA report:

72, Paul NA5N

On Sun, 26 Nov 2000, Space Environment Center wrote:

> Joint USAF/NOAA Report of Solar and Geophysical Activity
> SDF Number 331 Issued at 2200Z on 26 Nov 2000

> IA. Analysis of Solar Active Regions and Activity from 25/2100Z
> to 26/2100Z: Solar activity remained high. Region 9236 (N24W38)
> produced an X4/2b at 26/1648 UTC.

Any X-class flare is considered a MAJOR flare, for which only a few typically occur during each solar maximum.

> This flare included a Type II
> radio sweep (1000 km/s estimated drift speed) and a 700 sfu radio
> burst at 2695 MHz.

The shock wave left the sun at 1000 km/sec., or fairly energetic, and produced radio sweeps (100MHz and downward). These radio sweeps can cause momentary QRN or blackouts on HF, but ONLY for the duration of the flare and while the shockwave is punching through the sun's magnetic field. I.e., that part is long over with by now :-)

700 sfu (Solar Flux Units) is a measure of the total power released by the flare, for which 700 is a fairly respectable number.

> The sunspot group remains
> large and magnetically complex.

This basically means it is capable of producing more major flares. Usually, a major flare tends to breakdown the compex magnetic fields, severely lowering its potential of producing another flare. In this case, this active region seems to keep growing and producing major flares, and the end is not yet in sight.

> IB. Solar Activity Forecast: Solar activity is expected to be high.
> Region 9236 is capable of producing another major flare.

For the reasons cited above

> IIA. Geophysical Activity Summary 25/2100Z to 26/2100Z:
> The geomagnetic field ranged from quiet to minor storm levels. The
> first of the expected CME's arrived at ACE at 26/0500 UTC. The
> greater than 10 MeV proton event remains in progress. A new maximum
> of 923 pfu was observed at 26/1955 UTC. The greater than 100 MeV
> protons exceeded the event threshold at 26/1640 UTC and reached a
> peak of 1.2 pfu at 26/1650 UTC. These particles have since dropped
> below event level.

The 100MeV protons are always of interest, since these are the ones traveling about the speed of light. If in sufficient numbers, they CAN ionize the D-layer preventing HF signals from traveling through to the E and F layers, or a black out condition. In even more severe cases, these protons can hit the ground for the GLE (ground level event). This of course causes medical concerns, as it's like receiving a constant x-ray. A VERY rare occurance. But these protons to tend to build up in the polar regions, ionizing the D-layer in the northern latitudes, making HF communications very difficult for those in Canada, and Alaska (as in all northern and southern latitudes). And this is indeed occuring right now, producing a Polar Cap Absorption (PCA) event.

The high proton counts are more of interest to satellite operators, as they have the potential of causing internal problems and wiping out imaging systems.

> IIB. Geophysical Activity Forecast: The geomagnetic field is
> expected to be at minor to major storm levels during the next 48
> hours in response to the flare/CME activity of the last few days.

> III. Event Probabilities 27 Nov-29 Nov
> PCAF in progress

PCA in progress as discussed above.

> IV. Penticton 10.7 cm Flux
> Observed 26 Nov 202 <-------- Fairly HIGH for good propagation

> Predicted   27 Nov-29 Nov 205/205/200   on the upper bands
> 90 Day Mean   26 Nov 175

> V. Geomagnetic A Indices
> Observed Afr/Ap 25 Nov 004/007
> Estimated Afr/Ap 26 Nov 020/025 <--- today's estimated MINOR storm
> Predicted Afr/Ap 27 Nov-29 Nov 050/060-030/045-020/025
                                    ^^^   ^^^
                                    MON   TUE
A-index of 60 = MAJOR storm levels on monday

Date: Sun, 26 Nov 2000 18:54:38 EST
From: K5BDZ@aol.com
To: qrp-l@lehigh.edu
Subject: [84801] FS : HW-7 & HWA7-1
Message-ID: <f3.4ecab2c.2752fcbe@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Moving and getting rid of 28 years worth of stuff a little at a time until
Mid January

Heathkit HW-7 & HWA-7-1 matching power supply. No manual. $110 including
UPS surface shipping in US.

Best looking little HW-7 I've seen in years. Bought for collection to set on
shelf with HW8 & HW 9 (both sold). Truthfully, it appears excellent but I've
never turned it on. HWA-7-1 Power supply looks good also, but bought
separately.
More goodies to follow soon.
Bill, K5BDZ
k5bdz@aol.com

End of QRP-L Digest 2018
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